

rhenum, cobalt, tungsten, manganese, tantalum, molybdenum, lead, titanium, platinum, palladium, and osmium disposed on the first electrically conductive body;

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an anode including a metal selected from the group consisting of tantalum, aluminum, niobium, zirconium, and titanium disposed on a second electrically conductive body opposite and spaced from the first electrically conductive body, wherein the metals of the anode and cathode are different; and

an electrolyte disposed between and in contact with the porous coating and the anode.

11. (Amended) A capacitor cell comprising:

a first electrically conductive body;

X2
a cathode comprising a porous coating including an amorphous metal oxide of at least one metal selected from the group consisting of ruthenium, iridium, nickel, rhodium, rhenum, cobalt, tungsten, manganese, tantalum, molybdenum, lead, titanium, platinum, palladium, and osmium disposed on the first electrically conductive body;

a second electrically conductive body spaced from the porous coating;

an anode including a metal selected from the group consisting of tantalum, aluminum, niobium, zirconium, and titanium disposed on the electrically conductive metal body opposite the first electrically conductive body; and

an electrolyte disposed between and in contact with the porous coating and the anode.

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12. The capacitor of claim 11 wherein the porous [amorphous metal oxide] coating includes a mixture of at least one amorphous metal oxide chosen from the group consisting of amorphous oxides of ruthenium, iridium, nickel, rhodium, platinum, palladium, and osmium and at least one amorphous oxide chosen from the group consisting of amorphous oxides of tantalum, titanium, and zirconium.

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15. (Amended) A capacitor comprising:
a plurality of capacitor cells, each cell including a first metal body having opposed first and second surfaces;
a cathode comprising a porous coating including an amorphous [non-crystalline] oxide of at least one metal selected from the group consisting of ruthenium, iridium, nickel, rhodium, rhenium, cobalt, tungsten, manganese, tantalum, molybdenum, lead, titanium, platinum, palladium, and osmium disposed on the first surface of said first metal body;
an anode including a metal selected from the group consisting of tantalum, aluminum, niobium, zirconium, and titanium disposed on the second surface of the first metal body, wherein the metals of the anode and cathode are different;

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an electrolyte in contact with the cathode opposite the first metal body wherein the plurality of the capacitor cells are disposed in a serial arrangement, the electrolyte of one cell contacting the second surface of each first metal body and a first surface of the first metal body of the next adjacent cell;

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a second metal body having first and second opposed surfaces disposed at one end of the serial arrangement and including a cathode comprising a porous coating including an amorphous [non-crystalline] oxide of at least one metal selected from the group consisting of ruthenium, iridium, nickel, rhodium, rhenium, cobalt, tungsten, manganese, tantalum, molybdenum, lead, titanium, and cathode are different, platinum, palladium, and osmium disposed on one side of the second metal body and opposite an anode of a first metal body in the serial arrangement, but no anode, and functioning as a cathode of the capacitor and an electrolyte disposed between and contacting the porous coating of the second metal body and the anode of the opposite first metal body in the serial arrangement; and

a third metal body having first and second opposed surfaces and disposed at the other end of the serial arrangement and including an anode comprising a metal selected from the group consisting of tantalum, aluminum, niobium, zirconium, and titanium disposed on one side of the third metal body and opposite a porous coating of a first metal body in the serial arrangement, but no porous coating, and functioning as an anode of the capaci-

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tor and an electrolyte disposed between and contacting the anode of the third metal body and the porous coating of the opposite first metal body in the serial arrangement.

17. (Amended) The capacitor of claim 15 wherein the porous [amorphous metal oxide] coating includes a mixture of at least one amorphous metal oxide chosen from the group consisting of oxides of ruthenium, iridium, nickel, rhodium, platinum, palladium, and osmium and at least one amorphous metal oxide chosen from the group consisting of oxides of tantalum, titanium, and zirconium.
